

What did the vampire doctor say to his patient?

Solve each equation to answer this riddle. Place the letter of each problem above the answer on the line(s) below.

N: $\log_2(2x - 1) = 3$

O: $\log_7(3x - 11) = \log_7(x - 3)$

H: $\log_6 x + \log_6 3 = 2$

S: $\log_2(x - 3)^3 = 6$

F: $4\log_8 x = 2\log_8 9$

I: $\log x + \log(x + 2) = \log 3$

A: $2\log_2(x + 6) - \log_2 16 = 2$

C: $\log_4(x^2 - 4) - \log_4(x + 2) = 2$

T: $\log_2(5x + 7) - \log_2 x = 2$

P: $\log(x + 5) - \log(x - 1) = \log(x + 2) - \log(x - 3)$

<u>7</u>	<u>No sol.</u>	<u>4</u>	<u>13</u>	<u>No sol.</u>	<u>12</u>	<u>2</u>	<u>No sol.</u>	<u>18</u>	<u>4</u>	<u>3</u>	<u>3</u>	<u>1</u>	<u>14</u>
----------	----------------	----------	-----------	----------------	-----------	----------	----------------	-----------	----------	----------	----------	----------	-----------